Scenario: #1 - Pre-commercial Thinning Pole- Hand tools

# **Scenario Description:**

Adjusting the stocking of a young, non-merchantable stand of trees. The operation is supervised by a consultant forester and is carried out using hand tools such as chainsaws. Resource concerns include Undesirable plant productivity and health; Wildlife habitat degradation; Wildfire hazard; and Inadequate structure and composition.

### **Before Situation:**

The stocking of a stand of trees that are too small to make a commercial thinning exceeds the recommended fully stocked level for the species and site. The effect is much slower growth than is reasonable or expected for the site, increased susceptibility to insects and disease, and an unacceptable devastating wildfire risk.

## **After Situation:**

After adjusting the stocking to an acceptable level, stand growth, condition, and overall quality is improved. In addition, wildlife habitat is improved with the resulting increase of sunlight reaching the forest floor.

Scenario Feature Measure: Area treated

Scenario Unit: Acre

Scenario Typical Size: 10

Scenario Cost: \$5,097.46 Scenario Cost/Unit: \$509.75

<b>Cost Details (by catego</b>	ry):			Price		
Component Name	ID	Component Description	Unit	(\$/unit)	Quantity	Cost
Equipment/Installation						
Chainsaw	937	Equipment and power unit costs. Labor not included.	Hour	\$6.46	70	\$452.20
Truck, Pickup	939	Equipment and power unit costs. Labor not included.	Hour	\$38.19	8	\$305.52
Labor						
Skilled Labor	230	Labor requiring a high level skill set: Includes carpenters, welders, electricians, conservation professionals involved with data collection, monitoring, and or record keeping, etc	Hour	\$39.49	70	\$2,764.30
Specialist Labor	235	Labor requiring a specialized skill set: Includes Agronomists, Foresters, Biologists, etc. to provide additional technical information during the planning and implementation of the practice. Does not include NRCS or TSP services.	Hour	\$101.60	15	\$1,524.00
Materials	·		•		•	•
Tree Marking Paint	313	Trees to be cut through tree marking are physically identified through the application of paint on the tree.  Typically one quart of paint is used to mark one acre of trees. Includes materials and shipping only.	Acre	\$6.43	8	\$51.44

Scenario: #2 - Pre-commercial Thinning, hardwoods - Hand tools

# **Scenario Description:**

Adjusting the stocking of a "Young Over Stocked Hardwood Stands." The operation is supervised by a consultant forester and is carried out using hand tools such as chainsaws, loppers and/or machettes. Resource concerns include undesirable plant productivity and health; inadequate tree structure, composition, and spacing; and wildlife habitat degradation (i.e., ESH lifespan has passed).

### **Before Situation:**

The stocking and size class of a stand of trees such that the conditions exceed the recommended fully stocked level for the species and site. The effect is slower growth than is reasonable or expected for the site, increased susceptibility to insects and disease, and a potential risk to wildfire.

## **After Situation:**

After adjusting the stocking to an acceptable level of spacing or trees/ac. --stand growth, condition, and overall quality are improved and desirable wildlife habitat is achieved. The resulting stand condition will have sufficient growing space to increase diameter growth and expand live tree crowns.

Scenario Feature Measure: Area treated

Scenario Unit: Acre

Scenario Typical Size: 10

Scenario Cost: \$8,600.80 Scenario Cost/Unit: \$860.08

<b>Cost Details (by catego</b>	ry):			Price		
<b>Component Name</b>	ID	Component Description	Unit	(\$/unit)	Quantity	Cost
Equipment/Installation						
Truck, Pickup	939	Equipment and power unit costs. Labor not included.	Hour	\$38.19	50	\$1,909.50
Chainsaw	937	Equipment and power unit costs. Labor not included.	Hour	\$6.46	100	\$646.00
Labor						
Specialist Labor		Labor requiring a specialized skill set: Includes Agronomists, Foresters, Biologists, etc. to provide additional technical information during the planning and implementation of the practice. Does not include NRCS or TSP services.	Hour	\$101.60	20	\$2,032.00
Skilled Labor		Labor requiring a high level skill set: Includes carpenters, welders, electricians, conservation professionals involved with data collection, monitoring, and or record keeping, etc	Hour	\$39.49	100	\$3,949.00
Materials						
Tree Marking Paint		Trees to be cut through tree marking are physically identified through the application of paint on the tree. Typically one quart of paint is used to mark one acre of trees. Includes materials and shipping only.	Acre	\$6.43	10	\$64.30

Scenario: #3 - Pre-commercial Thinning, softwoods - Hand tools

# **Scenario Description:**

Adjusting the stocking of a young, non-merchantable stand of trees, which are comprised predominantly of softwoods. The operation is supervised by a consultant forester and is carried out using hand tools such as chainsaws. Resource concerns include Undesirable plant productivity and health; Wildlife habitat degradation; Wildfire hazard; and Inadequate structure and composition.

## **Before Situation:**

The stocking of a stand of trees that are too small to make a commercial thinning exceeds the recommended fully stocked level for the species and site. The effect is much slower growth than is reasonable or expected for the site, increased susceptibility to insects and disease, and an unacceptable devastating wildfire risk.

### **After Situation:**

After adjusting the stocking to an acceptable level, stand growth, condition, and overall quality is improved. In addition, wildlife habitat is improved with the resulting increase of sunlight reaching the forest floor.

Scenario Feature Measure: Area treated

Scenario Unit: Acre

Scenario Typical Size: 10

Scenario Cost: \$15,105.30 Scenario Cost/Unit: \$1,510.53

Cost Details (by catego	ry):			Price		
<b>Component Name</b>	ID	Component Description	Unit	(\$/unit)	Quantity	Cost
Equipment/Installation						
Chainsaw	937	Equipment and power unit costs. Labor not included.	Hour	\$6.46	200	\$1,292.00
Truck, Pickup	939	Equipment and power unit costs. Labor not included.	Hour	\$38.19	100	\$3,819.00
Labor						
Skilled Labor		Labor requiring a high level skill set: Includes carpenters, welders, electricians, conservation professionals involved with data collection, monitoring, and or record keeping, etc	Hour	\$39.49	200	\$7,898.00
Specialist Labor		Labor requiring a specialized skill set: Includes Agronomists, Foresters, Biologists, etc. to provide additional technical information during the planning and implementation of the practice. Does not include NRCS or TSP services.	Hour	\$101.60	20	\$2,032.00
Materials						
Tree Marking Paint		Trees to be cut through tree marking are physically identified through the application of paint on the tree. Typically one quart of paint is used to mark one acre of trees. Includes materials and shipping only.	Acre	\$6.43	10	\$64.30

Scenario: #4 - Timber Stand Improvement - Single Stem Treatment

### **Scenario Description:**

Altering the composition and stocking of a stand of trees by means of individual stem treatment. Competitive control conditions may include severe site occupancy of undesirable species. Resource concerns include Undesirable plant productivity and health; inadequate tree structure, composition, and spacing; and wildlife habitat degradation.

### **Before Situation:**

The existing condition of the stand cannot meet the landowner's objectives because the composition of unwanted species and the stocking exceeds the recommended level. The species and quality of the trees to be controlled makes a commercial operation unfeasible. Therefore, the stand improvement will be carried out with single stem treatment such as injection or basal bark spraying.

### **After Situation:**

The composition of the stand can meet the landowner's objectives and the growth, condition and quality of the remaining trees are improved

Scenario Feature Measure: Acres treated

Scenario Unit: Acres

Scenario Typical Size: 10

Scenario Cost: \$2,958.65 Scenario Cost/Unit: \$295.87

Cost Details (by category): Price **Component Name Component Description** Unit **Quantity Cost** (\$/unit) Equipment/Installation Chemical, spot treatment, 964 Ground applied chemical to individual plants or group of Hour \$58.34 30 \$1,750.20 single stem application plants, e.g., backpack sprayer treatment. Equipment and labor cost included. 15 \$572.85 Truck, Pickup 939 Equipment and power unit costs. Labor not included. Hour \$38.19 Materials Herbicide, Imazapyr 336 Pre and post-emergent, non-selective herbicide for control Acre \$41.50 10 \$415.00 of undesirable vegetation in non-crop areas. Refer to WIN-PST for product names and active ingredients. Includes materials and shipping only. 334 A broad-spectrum, non-selective systemic herbicide. Refer \$15.63 10 \$156.30 Herbicide, Glyphosate Acre to WIN-PST for product names and active ingredients. Includes materials and shipping only. Tree Marking Paint 313 Trees to be cut through tree marking are physically \$6.43 10 \$64.30 Acre identified through the application of paint on the tree. Typically one quart of paint is used to mark one acre of trees. Includes materials and shipping only.

Scenario: #5 - Timber Stand Improvement - Chemical, Ground

# **Scenario Description:**

Using ground applied chemicals to release young desirable trees from competing and/or overtopping vegetation. Resource concerns include: Undesirable plant productivity and health, and Wildlife habitat degradation.

## **Before Situation:**

An adequately stocked stand of desirable species and trees is not growing to its potential for the site due to severe competition from undesirable trees and brush. Releasing the desirable trees from the competition will be achieved through the application of appropriate herbicides according to label directions. Application will be by ground equipment as an over-the-top spray.

### **After Situation:**

The released stand of trees contains the composition and quality needed to meet the landowner's objectives and address the resource concerns.

Scenario Feature Measure: Acres treated

Scenario Unit: Acre

Scenario Typical Size: 40

Scenario Cost: \$10,871.20 Scenario Cost/Unit: \$271.78

Cost Details (by category): Price **Component Name Component Description** Unit **Quantity Cost** (\$/unit) Equipment/Installation Chemical, ground application 948 Chemical application performed by ground equipment. Acre \$5.96 40 \$238.40 Includes equipment, power unit and labor costs. Truck, Pickup 939 Equipment and power unit costs. Labor not included. Hour \$38.19 40 \$1,527.60 Labor Specialist Labor 235 Labor requiring a specialized skill set: Includes Hour \$101.60 20 \$2,032.00 Agronomists, Foresters, Biologists, etc. to provide additional technical information during the planning and implementation of the practice. Does not include NRCS or TSP services. 232 Includes: Skid Steer Loaders, Hydraulic Excavators <50 HP, \$24.30 80 \$1,944.00 Equipment Operators, Light Hour Trenchers <12", Ag Equipment <150 HP, Pickup Trucks, Forklifts, Mulchers Skilled Labor 230 Labor requiring a high level skill set: Includes carpenters, Hour \$39.49 80 \$3,159.20 welders, electricians, conservation professionals involved with data collection, monitoring, and or record keeping, etc. Materials \$1.32 40 \$52.80 Herbicide, Surfactant 1095 Surfactants reduce the surface tension of water to produce | Acre more uniform coverage and penetration of herbicides, and weed killers. Paraffin Based Petroleum Surfactant. Refer to WIN-PST for product names and active ingredients. Includes materials and shipping only. Herbicide, Imazapyr 336 Pre and post-emergent, non-selective herbicide for control Acre \$41.50 40 \$1,660.00 of undesirable vegetation in non-crop areas. Refer to WIN-PST for product names and active ingredients. Includes materials and shipping only. 313 Trees to be cut through tree marking are physically \$6.43 40 \$257.20 Tree Marking Paint Acre identified through the application of paint on the tree. Typically one quart of paint is used to mark one acre of trees. Includes materials and shipping only.

Scenario: #6 - Competition Control - Mechanical, Light Equipment

# **Scenario Description:**

Using light equipment such as a tractor with brush hog to control vegetation that is competing with desirable trees and species or to reduce the stocking level of a stand of desirable trees. Trees to be removed will be marked by a Forester. Resource concerns include Undesirable plant productivity and health; Wildlife habitat degradation; Wildfire hazard; and Inadequate structure and composition.

### **Before Situation:**

A stand of young, desirable trees is adversely affected by competition either from undesirable species or because the stand is overstocked. The vegetation to be controlled is small enough that it can be mowed or shredded. The work can be done by mowing or shredding strips through the stand, mowing between planted rows, etc.

### **After Situation:**

After adjusting the stocking to an acceptable level and/or controlling the competing vegetation, stand growth, condition, and overall quality is improved. In addition, wildlife habitat is improved with the resulting increase of sunlight reaching the forest floor.

Scenario Feature Measure: Area Treated

Scenario Unit: Acre

Scenario Typical Size: 10

Scenario Cost: \$7,618.39 Scenario Cost/Unit: \$761.84

Cost Details (by category	y):			Price		
Component Name	ID	Component Description	Unit	(\$/unit)	Quantity	Cost
Equipment/Installation						
Truck, Pickup	939	Equipment and power unit costs. Labor not included.	Hour	\$38.19	15	\$572.85
Mechanical cutter, chopper		Masticator, flail shredder, hydro axe, brush cutter, etc. Equipment and power unit costs. Labor not included.	Hour	\$131.92	30	\$3,957.60
Labor			·			
Equipment Operators, Light		Includes: Skid Steer Loaders, Hydraulic Excavators <50 HP, Trenchers <12", Ag Equipment <150 HP, Pickup Trucks, Forklifts, Mulchers	Hour	\$24.30	30	\$729.00
Specialist Labor		Labor requiring a specialized skill set: Includes Agronomists, Foresters, Biologists, etc. to provide additional technical information during the planning and implementation of the practice. Does not include NRCS or TSP services.	Hour	\$101.60	20	\$2,032.00
Materials						
Tree Marking Paint		Trees to be cut through tree marking are physically identified through the application of paint on the tree. Typically one quart of paint is used to mark one acre of trees. Includes materials and shipping only.	Acre	\$6.43	10	\$64.30
Mobilization						
Mobilization, medium equipment		Equipment with 70-150 HP or typical weights between 14,000 and 30,000 pounds.	Each	\$262.64	1	\$262.64

Scenario: #7 - Thinning for Wildlife and Forest Health

# **Scenario Description:**

Area-wide thinning is used to adjust the stocking of an overstocked stand to a recommended level -- generally equivalent to a "B-Line" stocking -- by lowing the overall basal area of the stand. A combination of hand and chemical treatments are used to improve residual tree spacing that enhances the forest's ability to increase diameter growth and live crown expansion. Resource concerns include: Inadequate structure and composition, Undesirable plant productivity and health, and Habitat degradation.

## **Before Situation:**

The stand of pole-sized to overly mature trees is overstocked resulting in over competition, thus inhibiting growth potential and forest health. This condition is causing a lack of tree structure and composition as well as species diversity that is needed to meet the landowner's objective. Under the supervision of a consultant forester, the stand will be marked for thinning and timber stand improvement.

### **After Situation:**

The stand will have adequate stocking that improves the overall residual tree growth and vigor. This is accomplished by removing defected and malformed, undesirable trees leaving only the best-formed and highest quality trees in the stand. The result will be a more resilient and fully stocked stand to mature into a healthy and viable forest.

Scenario Feature Measure: Acres treated

Scenario Unit: Acre

Scenario Typical Size: 10

Scenario Cost: \$8,600.80 Scenario Cost/Unit: \$860.08

Cost Details (by category	/):			Price		
Component Name	ID	Component Description	Unit	(\$/unit)	Quantity	Cost
Equipment/Installation						
Chainsaw	937	Equipment and power unit costs. Labor not included.	Hour	\$6.46	100	\$646.00
Truck, Pickup	939	Equipment and power unit costs. Labor not included.	Hour	\$38.19	50	\$1,909.50
Labor						
Skilled Labor		Labor requiring a high level skill set: Includes carpenters, welders, electricians, conservation professionals involved with data collection, monitoring, and or record keeping, etc.	Hour	\$39.49	100	\$3,949.00
pecialist Labor		Labor requiring a specialized skill set: Includes Agronomists, Foresters, Biologists, etc. to provide additional technical information during the planning and implementation of the practice. Does not include NRCS or TSP services.	Hour	\$101.60	20	\$2,032.00
Materials						
Tree Marking Paint		Trees to be cut through tree marking are physically identified through the application of paint on the tree.  Typically one quart of paint is used to mark one acre of trees. Includes materials and shipping only.	Acre	\$6.43	10	\$64.30

Practice: 666 - Forest Stand Improvement Scenario: #8 - Creating Small Patch Clearcuts

# **Scenario Description:**

Creating 2 acre patches in over-mature and/or degraded stands using hand tools such as chainsaws. Resource concerns include: Undesirable plant productivity and health, Inadequate structure and composition, and habitat degradation.

## **Before Situation:**

The existing stand is overly mature and/or has been degraded in value by past harvesting practices. The level of acceptable growing stock is too low to justify managing this stand in its present condition. The present form, species composition and structure cannot meet the resource concerns and landowner objectives. Creating small openings by cutting all trees greater than 2" in diameter will foster the regeneration of high-value shade intolerant species. The work will be done with chainsaws.

### **After Situation:**

A new, young stand of desirable species is established In addition, early successional wildlife habitat as well as forest type diversity are

Scenario Feature Measure: Area treated

Scenario Unit: Acre

Scenario Typical Size: 2

Scenario Cost: \$1,504.10 Scenario Cost/Unit: \$752.05

Cost Details (by catego	ry):			Price		
Component Name	ID	Component Description	Unit	(\$/unit)	Quantity	Cost
Equipment/Installation						
Truck, Pickup	939	Equipment and power unit costs. Labor not included.	Hour	\$38.19	10	\$381.90
Chainsaw	937	Equipment and power unit costs. Labor not included.	Hour	\$6.46	20	\$129.20
Labor						
Specialist Labor		Labor requiring a specialized skill set: Includes Agronomists, Foresters, Biologists, etc. to provide additional technical information during the planning and implementation of the practice. Does not include NRCS or TSP services.	Hour	\$101.60	2	\$203.20
Skilled Labor		Labor requiring a high level skill set: Includes carpenters, welders, electricians, conservation professionals involved with data collection, monitoring, and or record keeping, etc.	Hour	\$39.49	20	\$789.80

Practice: 666 - Forest Stand Improvement Scenario: #9 - Creating Large Patch Clearcuts

# **Scenario Description:**

Creating 10 acre patches in over-mature and/or degraded stands using a brontosaurus or other mechanical means where there is limited timber or firewood value. Resource concerns include: Undesirable plant productivity and health, Inadequate structure and composition, and habitat degradation.

### **Before Situation:**

The existing stand is overly mature and/or has been degraded in value by past harvesting practices. The level of acceptable growing stock is too low to justify managing this stand in its present condition. The present form, species composition and structure cannot meet the resource concerns and landowner objectives. Creating small openings by cutting all trees greater than 2" in diameter will foster the regeneration of high-value shade intolerant species.

### **After Situation:**

A new, young stand of desirable species is established In addition, early successional wildlife habitat as well as forest type diversity are created.

Scenario Feature Measure: Area treated

Scenario Unit: Acre

Scenario Typical Size: 10

Scenario Cost: \$6,664.85 Scenario Cost/Unit: \$666.49

Cost Details (by category)	):			Price		
Component Name	ID	Component Description	Unit	(\$/unit)	Quantity	Cost
Equipment/Installation						
Truck, Pickup	939	Equipment and power unit costs. Labor not included.	Hour	\$38.19	20	\$763.80
Feller buncher	941	Equipment and power unit costs. Labor not included.	Hour	\$88.57	30	\$2,657.10
Chainsaw	937	Equipment and power unit costs. Labor not included.	Hour	\$6.46	20	\$129.20
Labor					·	•
Specialist Labor		Labor requiring a specialized skill set: Includes Agronomists, Foresters, Biologists, etc. to provide additional technical information during the planning and implementation of the practice. Does not include NRCS or TSP services.	Hour	\$101.60	8	\$812.80
Equipment Operators, Heavy		Includes: Cranes, Hydraulic Excavators >=50 HP, Dozers, Paving Machines, Rock Trenchers, Trenchers >=12", Dump Trucks, Ag Equipment >=150 HP, Scrapers, Water Wagons.	Hour	\$33.69	30	\$1,010.70
Skilled Labor		Labor requiring a high level skill set: Includes carpenters, welders, electricians, conservation professionals involved with data collection, monitoring, and or record keeping, etc.	Hour	\$39.49	20	\$789.80
Mobilization						
Mobilization, large equipment		Equipment >150HP or typical weights greater than 30,000 pounds or loads requiring over width or over length permits.	Each	\$501.45	1	\$501.45

Scenario: #10 - Tree Marking

# **Scenario Description:**

The marking of a forest stand by a professional forester, in accordance with recommendations in an approved Forest Management or Conservation Plan, to improve the health, productivity and vigor of the stand, and improve wildlife habitat. The cost for this scenario is based on the labor for a professional forester or wildlife biologist to provide timber marking to ensure that the treatment is silviculturally sound and damage to the residual stand is minimized. There is no cost of the wood removal since a commercial logger will be doing the work.

### **Before Situation:**

An overstocked stand of mixed aged species that are growing slowly, and prone to forest health problems do to high stand density. Wildlife habitat is degraded, due to the species composition and competition which is reducing mast production and reducing the understory plant population.

### **After Situation:**

The stand is treated to favor diversity of important commercial and wildlife species. The canopy is opened to the extent necessary to promote herbaceous growth and the work is performed without excessive damage to the residual trees and site.

### **Scenario Feature Measure:**

Scenario Unit: Acre

Scenario Typical Size: 10

Scenario Cost: \$877.10 Scenario Cost/Unit: \$87.71

#### Cost Details (by category): **Price Component Name Component Description** Unit **Quantity Cost** (\$/unit) Labor Hour Specialist Labor 235 Labor requiring a specialized skill set: Includes \$101.60 \$812.80 Agronomists, Foresters, Biologists, etc. to provide additional technical information during the planning and implementation of the practice. Does not include NRCS or TSP services. Materials 10 \$64.30 Tree Marking Paint 313 Trees to be cut through tree marking are physically \$6.43 Acre identified through the application of paint on the tree. Typically one quart of paint is used to mark one acre of trees. Includes materials and shipping only.

Practice: 666 - Forest Stand Improvement Scenario: #11 - Crop/Mast Tree Release

# **Scenario Description:**

Through a crown release, growth will be focused on high quality dominant and co-dominant trees that have already gained a good competitive position within the stand. Crop tree crowns will be released from other competing crowns, typically releasing 3-4 sides of the tree crown. The difference between the Area-Wide Thinning and Crop Tree Release is the focus and release of the best trees which often means removing trees that would otherwise be retained during an area-wide thinning practice. Area-wide thinning does not focus on the release of crowns and is spatially distributed more evenly than crop tree release.

### **Before Situation:**

High quality crop trees are competing for crown space that is limiting tree productivity, health, vigor, and wildlife habitat. Overstocked stands are limiting tree growth, increasing potential for disease, limiting flowering/fruiting potential and amount of mast available to wildlife and seed germination.

### **After Situation:**

Desirable crop trees have been released from competition by cutting trees with competing crowns. The result is an increase in growth rates, improvement in forest health, and wildlife habitat through the expansion of the crown and increased rates of photosynthesis. Desirable timber trees and valuable trees for wildlife now have free growing space. Wildlife habitat is improved through increased food/mast production and understory development with potential for large wildlife tree development (nest, den, cavity trees).

## **Scenario Feature Measure:**

Scenario Unit: Acre

Scenario Typical Size: 10

Scenario Cost: \$6,283.90 Scenario Cost/Unit: \$628.39

Cost Details (by catego	ry):			Price		
Component Name	ID	Component Description	Unit	(\$/unit)	Quantity	Cost
Equipment/Installation						
Truck, Pickup	939	Equipment and power unit costs. Labor not included.	Hour	\$38.19	40	\$1,527.60
Chainsaw	937	Equipment and power unit costs. Labor not included.	Hour	\$6.46	80	\$516.80
Labor						
Skilled Labor		Labor requiring a high level skill set: Includes carpenters, welders, electricians, conservation professionals involved with data collection, monitoring, and or record keeping, etc	Hour	\$39.49	80	\$3,159.20
Specialist Labor		Labor requiring a specialized skill set: Includes Agronomists, Foresters, Biologists, etc. to provide additional technical information during the planning and implementation of the practice. Does not include NRCS or TSP services.	Hour	\$101.60	10	\$1,016.00
Materials						
Tree Marking Paint		Trees to be cut through tree marking are physically identified through the application of paint on the tree.  Typically one quart of paint is used to mark one acre of trees. Includes materials and shipping only.	Acre	\$6.43	10	\$64.30

Scenario: #12 - Girdling

# **Scenario Description:**

The reomoval of less desriable trees of any species in a stand of saplings or larger trees primarily to improve composition, quality and wildlife. Resource concerns include Undesirable plant productivity and health; Wildlife habitat degradation; and Inadequate structure and composition.

# **Before Situation:**

The stocking of a stand of trees that are too small to make a commercial thinning exceeds the recommended fully stocked level for the species and site. The effect is much slower growth than is reasonable or expected for the site, increased susceptibility to insects and disease, and an unacceptable devastating wildfire risk.

## **After Situation:**

After adjusting the stocking to an acceptable level, stand growth, condition, and overall quality is improved. In addition, wildlife habitat is improved with the resulting increase of sunlight reaching the forest floor.

Scenario Feature Measure: Area treated

Scenario Unit: Acre

Scenario Typical Size: 10

Scenario Cost: \$3,401.30 Scenario Cost/Unit: \$340.13

Cost Details (by categor	ry):			Price		
Component Name	ID	Component Description	Unit	(\$/unit)	Quantity	Cost
Equipment/Installation						
Chainsaw	937	Equipment and power unit costs. Labor not included.	Hour	\$6.46	30	\$193.80
Truck, Pickup	939	Equipment and power unit costs. Labor not included.	Hour	\$38.19	30	\$1,145.70
Labor						
Skilled Labor	230	Labor requiring a high level skill set: Includes carpenters, welders, electricians, conservation professionals involved with data collection, monitoring, and or record keeping, etc	Hour	\$39.49	30	\$1,184.70
Specialist Labor	235	Labor requiring a specialized skill set: Includes Agronomists, Foresters, Biologists, etc. to provide additional technical information during the planning and implementation of the practice. Does not include NRCS or TSP services.	Hour	\$101.60	8	\$812.80
Materials						
Tree Marking Paint	313	Trees to be cut through tree marking are physically identified through the application of paint on the tree.  Typically one quart of paint is used to mark one acre of trees. Includes materials and shipping only.	Acre	\$6.43	10	\$64.30